

AMENDMENT TO THE CLAIMS:

The following list of claims will replace all prior versions and listings of the claims in this application.

1. (Previously presented) A method of enhancing the effects of radiation directed to a tissue or a population of cells in an animal comprising administering an amount of metal nanoparticles to said animal and subsequently irradiating the animal with radiation directed to said tissue or said population of cells, wherein said radiation is in a form selected from the group consisting of x-rays, microbeam arrays of x-rays, radioisotopes, electrons, protons, ion beams, and neutrons, wherein said metal nanoparticles are administered to said animal in an amount to achieve a concentration in said tissue or said population of cells in the animal of at least about 0.1% metal by weight.
2. (Previously presented) A method of ablating a tissue or a population of cells in an animal comprising administering an amount of metal nanoparticles to said animal and subsequently irradiating the animal with radiation directed to said tissue or said population of cells, wherein said radiation is in a form selected from the group consisting of x-rays, microbeam arrays of x-rays, radioisotopes, electrons, protons, ion beams, and neutrons , wherein said metal nanoparticles are administered to said animal in an amount to achieve a concentration in said tissue or said population of cells in the animal of at least about 0.1% metal by weight.
3. (Original) The method of claim 1 or 2, wherein said animal is human.
4. (Original) The method of claim 1 or 2, wherein said tissue or said population of cells is tumor.
5. (Original) The method of claim 4, wherein said tumor is a solid tumor selected from the group consisting of carcinomas, brain tumor, melanomas, lymphomas, plasmocytoma, sarcoma, glioma and thymoma.